Universal Security Platform - SecMAX

User Manual

Integrated Network CCTV System

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1 Introduction

NITRO USP SecMAX is the Central Monitoring Software for NITRO network monitoring system equipments. The software would be applicable to NITRO NVR Series System DVR, NET-IP network camera and network video server.

Recommended Computer Configuration：

CPU：Intel Pentium4 3.0Ghz

Memory：1G RAM (Preferable 2G RAM)

Video card：128MB dedicated graphics memory

Hard disk：80G (for basic system operation, additional HDD capacity would be required for local PC recording or video backup)

Recommended computer operating system：Microsoft Windows XP Professional Service Pack2 Microsoft Windows 2000

Recommended computer use resolution：1024*768，1152*864，1280*1024.

In other resolutions, for more than 1024 * 768 resolution, will be to display by the maximize principle.

The information in this user manual is based on the current released software version, the exact application software may be difference because of software update, modification, and system upgrade, as well as hardware devices upgrade, this may cause any technical inaccuracies or inadequacies in this user manual. Manual and the software will be updated, without notice.

Remark：the mentioned “Client” in this user manual is “USP SecMAX” software.

2 Installation/Uninstall/Login System

2.1 Install USP SecMAX

Run "USP SecMAX.exe" In Windows operating systems, the installation dialogue box will be shown as Figure 2.1

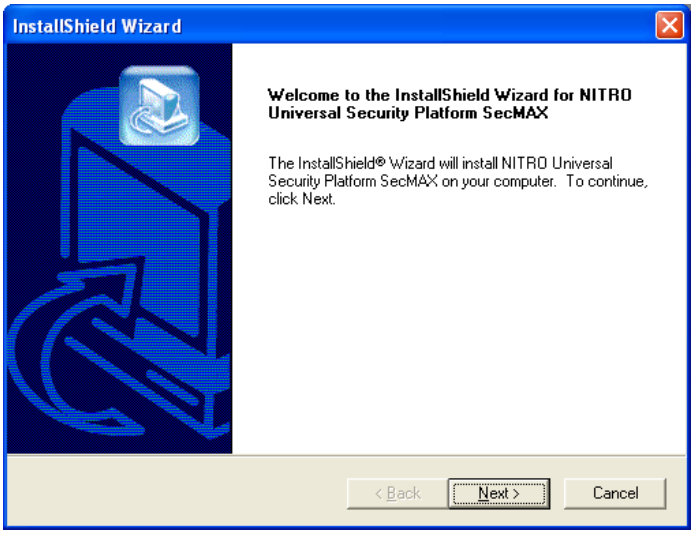

InstallShield Wizard
Welcome to the InstallShield Wizard for NITRO Universal Security Platform SecMAX
The InstallShield® Wizard will install NITRO Universal Security Platform SecMAX on your computer. To continue, click Next.
< Back
Next >
Cancel

Figure2.1

Click "Next" to select the folder for the software installation.

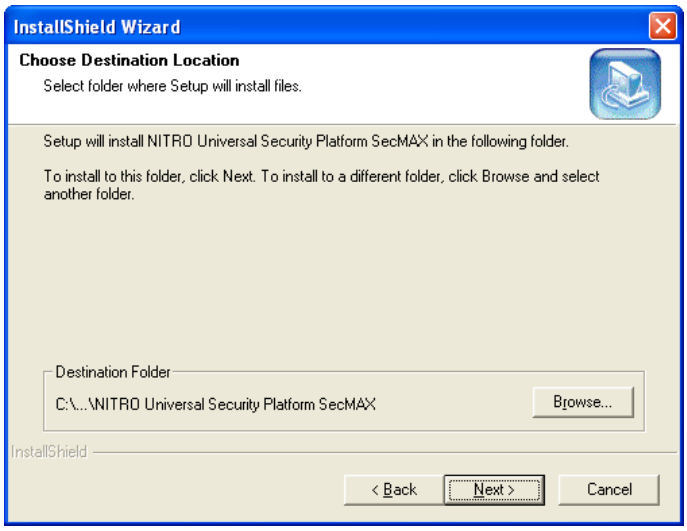

InstallShield Wizard
Choose Destination Location
Select folder where Setup will install files.
Setup will install NITRO Universal Security Platform SecMAX in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\...\NITRO Universal Security Platform SecMAX
Browse...
InstallShield
< Back
Next >
Cancel

Figure2.2

For selecting the destination of the folder, click on "Browse" for selection. Click “Next” for choosing the software name in figure 2.3. Default installation path is "C: \ Program Files \ NITRO Universla Security Platform SecMAX".

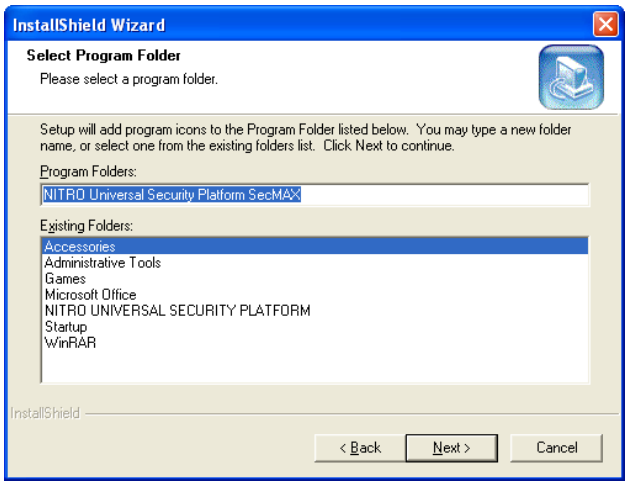


Figure2.3

Click "Next" to start the installation process. After installation process completes, click the "Cancel" to exit the installation.

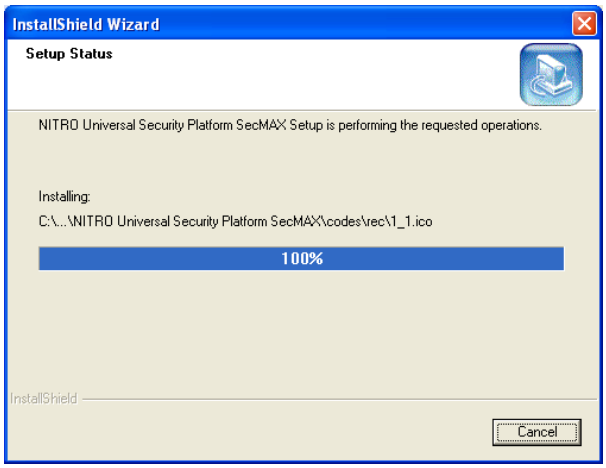


Figure2.4

2.2 Uninstall USP SecMAX

Go to the “Add and Remove Program” section in the "Control Panel", select the "NITRO Universal Security Platform - SecMAX" for uninstalling the software.

2.3 System Login/Exit

2.3.1 Login Client

After starting up the SecMAX, login dialogue box will be shown. Operator would need to enter the user name and the password for login into the system, the default administrator user would be “admin” and the password would be “0000”.

(Remark: it is recommended to change the password of the administrator after the login the system in the first time.)

Figure 2.7

Click “Confirm” to enter the system, "System Initialization" will be shown for preparing the system setting and information.

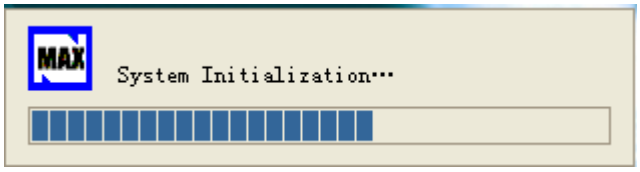


Figure 2.8

After the completion of system Initialization, the main user interface will be shown.

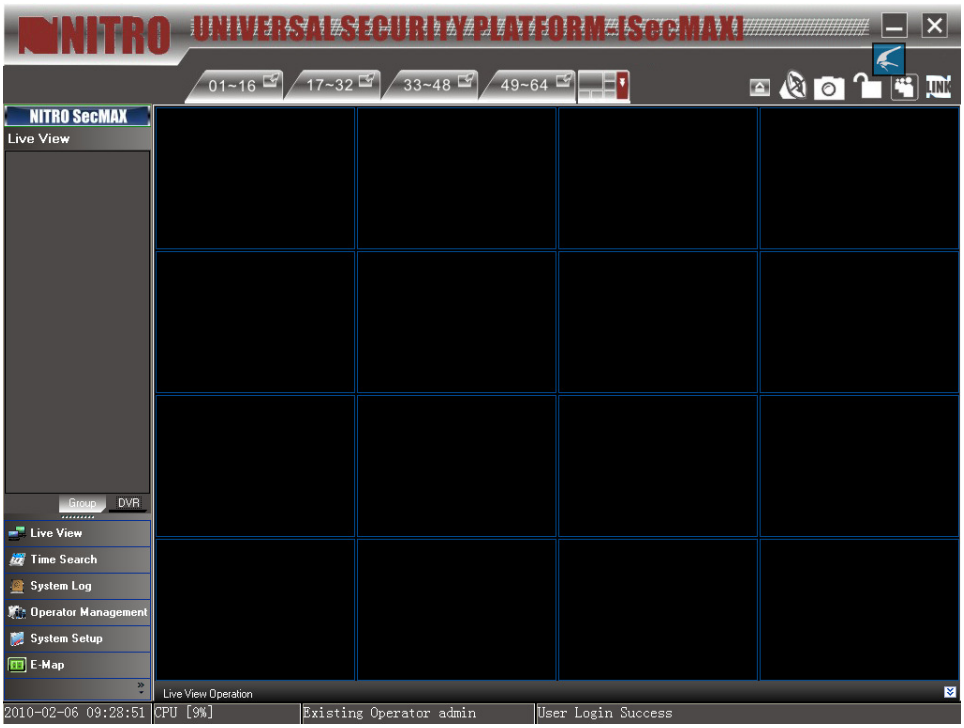


Figure 2.9

2.3.2 Main GUI

The main GUI is divided into five sections, including the function key section, system device section, function menu section, image preview section and the operation menu section as shown in Figure 2.10.

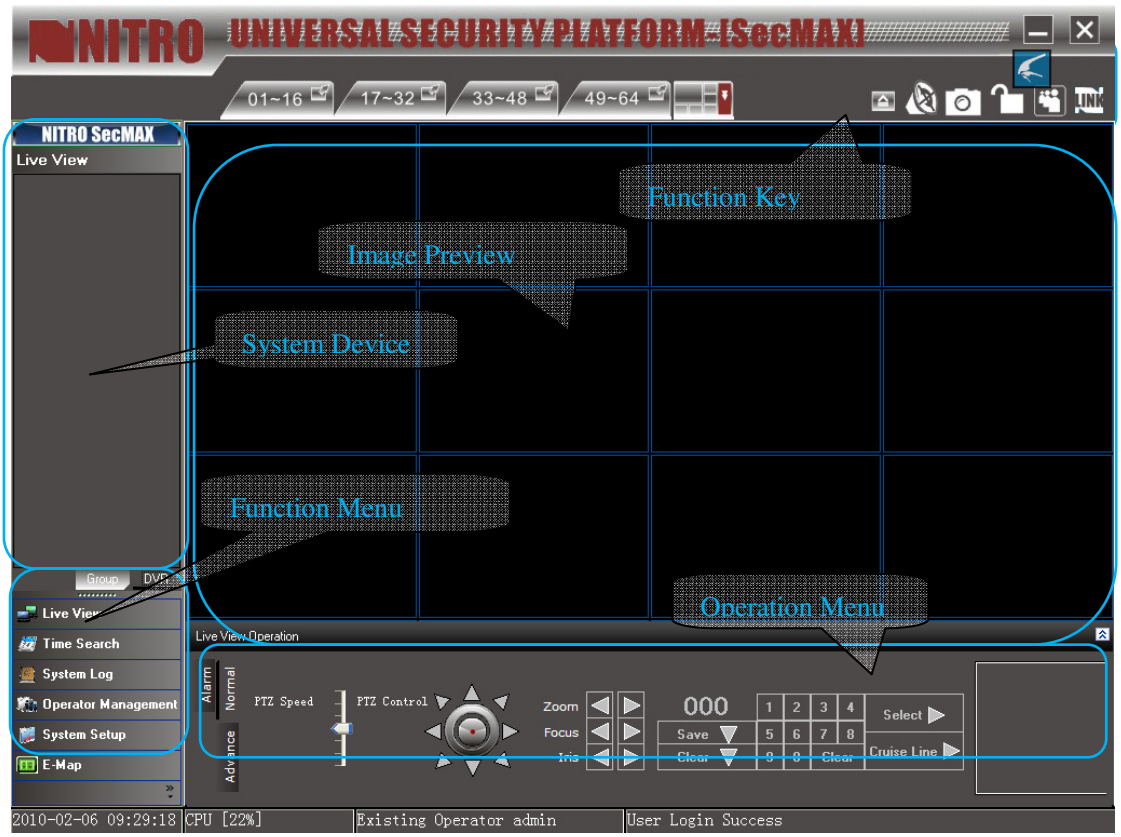

Function Key
Image Preview
System Device
Function Menu
Operation Menu
NITRO SecMAX
Live View
Time Search
System Log
Operator Management
System Setup
E-Map
Live View Operation
PTZ Speed
PTZ Control
Zoom
Focus
Iris
Save
Clear
Select
Cruise Line
2010-02-06 09:29:18
CPU [22%]
Existing Operator admin
User Login Success

Figure2.10

3 Add Device

Before starting the operation, it is needed to add and set the device in SecMAX client software. After login into the SecMAX with the proper user access right, right-click the System Device section for selecting the addition of “Root Node”, shown in Figure 3.1. Enter the node name, and then click the "Save" to add the root node.

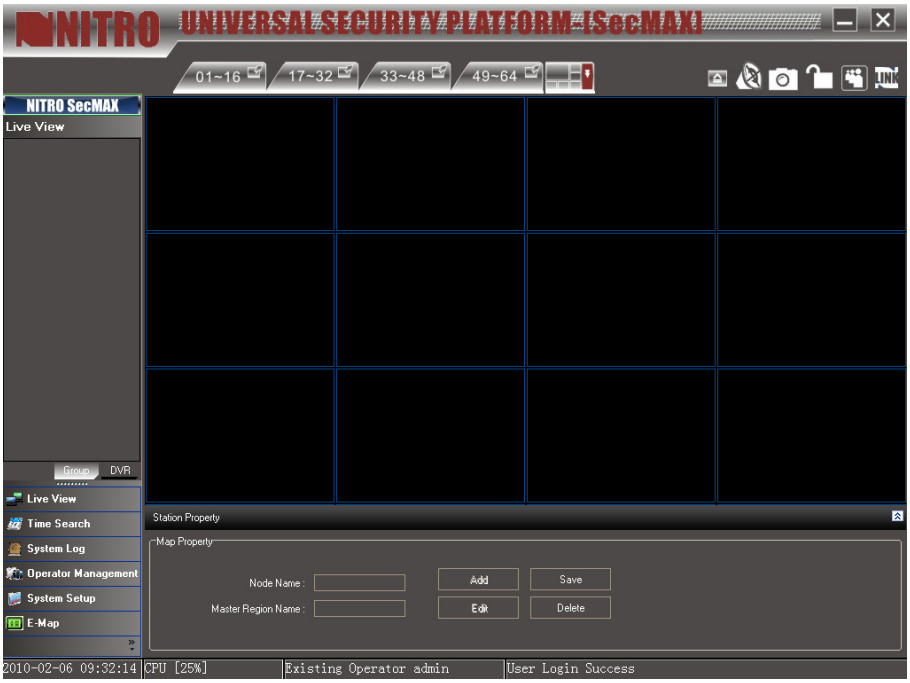


Figure 3.1

3.1 Add Region

Right-click the added item, choose the "Add Region" in the pop-up menu, operation Menu will show the properties of region. Edit the region information and enter the name of the region, and then click “Save” to complete the process. (** Remark : System can support up to 50 regions)

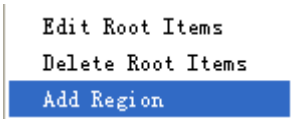


Figure 3.2

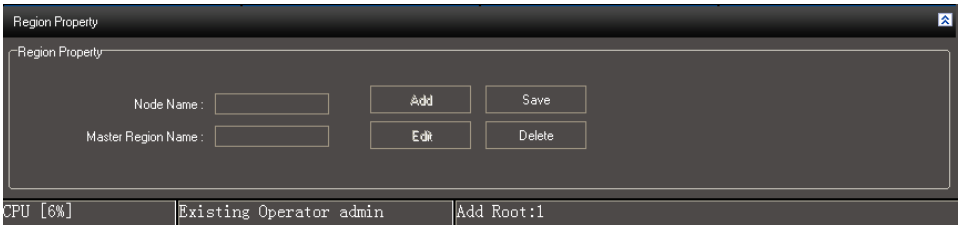


Figure 3.3

3.2Delete Region

Select the region for deleting, right-click to select "Delete node". A pop-up warning window will b shown if the region is linked to the E-map. Click "OK" to confirm the deletion, or click "Cancel" to cancel the deletion process.

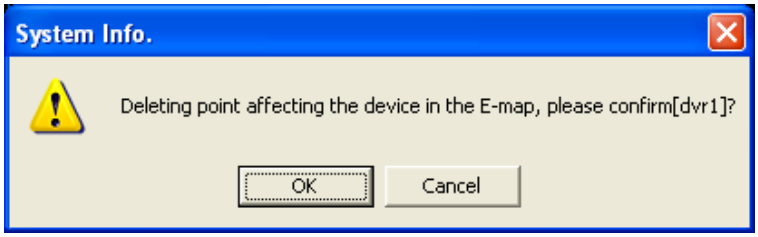


Figure 3.4

3.3Add Device

Right-click the region to select "Add Device", the operation menu will be shown for inputting device information.

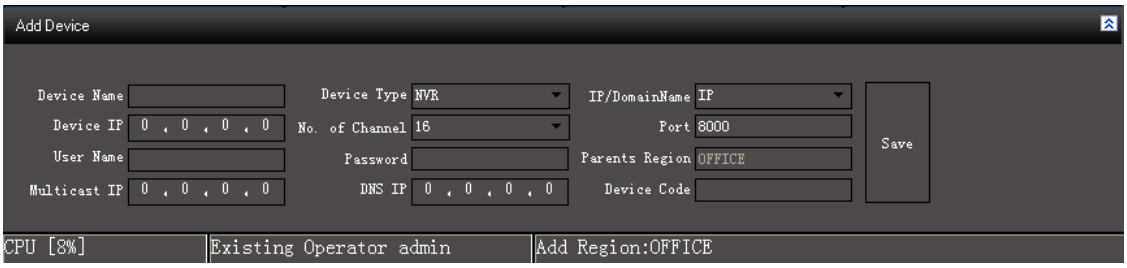


Figure 3.5

- **Device Name:** Enter the name of the device;
- **Device Type:** Two types system device : NVR and NET-IP; NVR : NITRO NVR Series DVR; NET-IP NITRO network camera or network video server.
- **IP and Domain :** Select connection mode to connect the server (**Remark : The current software would only support fixed IP connection);
- **Device IP :** Enter the IP address currently need to add the device;
- **No. of channel:** Select the number of channels for the required system device;
- **port:** Required port number for network transmission, defaults port number is 8000, any adjustment should be the same as the device setup;
- **User Name:** Enter the user login name of the system device, default is “admin”;
- **Password:** Enter the password of corresponding login user, default password of the admin is “12345”;
- **Parents Region:** Corresponding region of the system device;
- **multicast address:** When the system is needed for multicast mode, the corresponding devices multicast address;
- **DNS address:** When the system device requires to use the email service and some other internet functions, then it is needed to for the DNS address;

(Remark: Maximum 50 devices can be added in the whole SecMAX System.)

After finishing the configuration process, click "OK." to exit. And the added system device will be displayed in the “System Device” list.

Figure 3.8

3.4 Modify/ Delete System Device

In the System Device section, select the system device for any modification required, right-click to select “Modify Device”. If the adjusted setting is not correct, such as IP addresses, user names or password, then the system connection error "DVR is busy or the network due to the reasons, registration failed" may occur. Click “Save” to complete the modification process.
Right-click and select "Delete Device" of the required system device. It is needed to stop the channel of the device before deleting the system device.

3.5 Adjust Channel Properties

In the Operation Menu, user can adjust the channel for video property or can be able to change from main video stream from sub video stream, and then click "Save" to complete changes. The operation menu can be minimized by double click the top side of the menu.

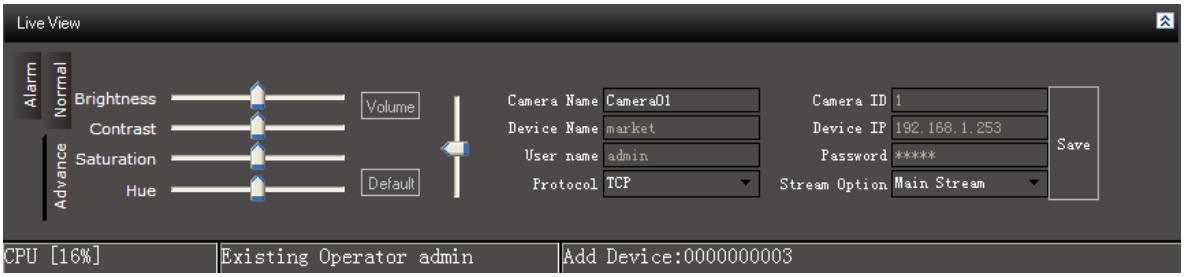


Figure 3.9

(**Remark: Camera ID, Device name, Device IP, user name and password cannot be adjusted.)

4 Preview Image

After the system device has been added, operator can start to operate the system in the Image Preview section, shown in Figure 4.1.

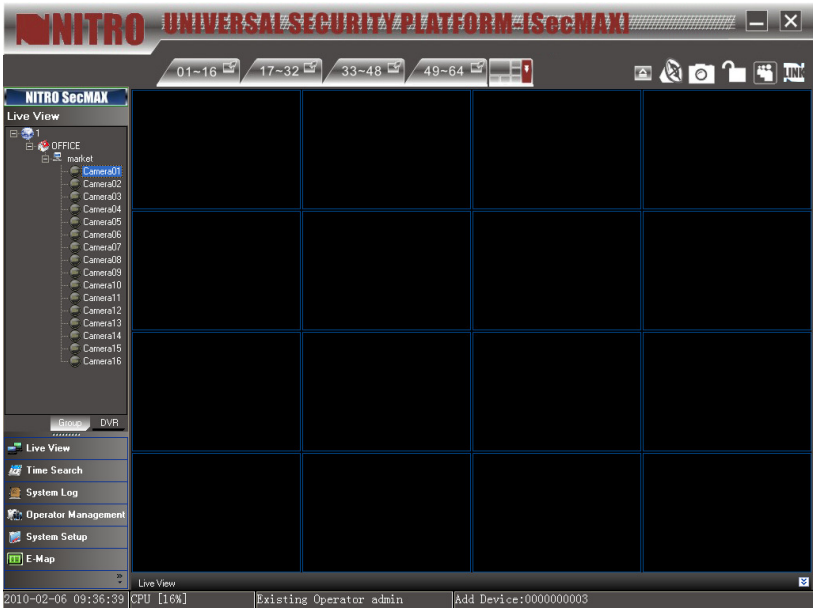


Figure 4.1

4.1 Video Preview

Operator can firstly select the Preview Window in the Image Preview section, and then double-click the camera for previewing the video image. The icon will change from " " to " ", shown in Figure 4.2.

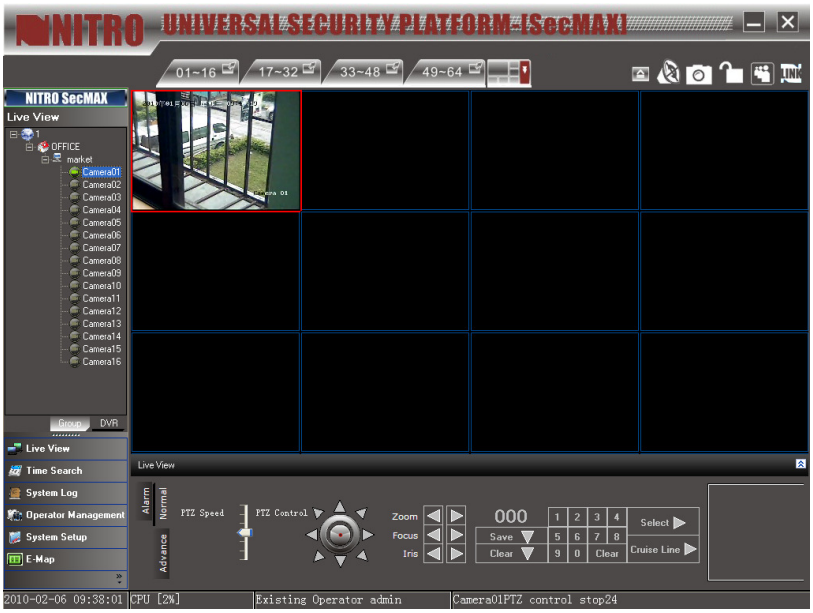


Figure 4.2

4.2 Preview Group Setting

In the System Device section, operator can select between “DVR” and “Group”, and then right-click to select “Add New Group”, shown in Figure 4.3 After filling in group name, click "Confirm" complete the process.

Figure 4.3

After the group has been added, operator can select the channels from different system device into that specific group. In the DVR list of the system device, operator can select a camera channel and then right click to add it into the specific group. The group will be listed in the “Add Group” list, shown in Figure 4.4.

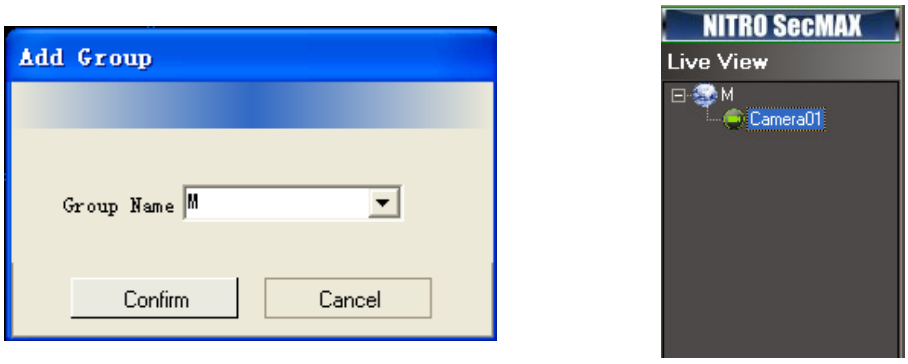


Figure4.4

(Remark: Operator can also select the camera channel directly from the group list for video preview.)***

4.3 Preview - Split Screen Option

The default split screen in the image preview is 16 channel (4 x 4), operator can also choose to change the split screen mode by the split button in the function key list., shown in Figure 4.5:

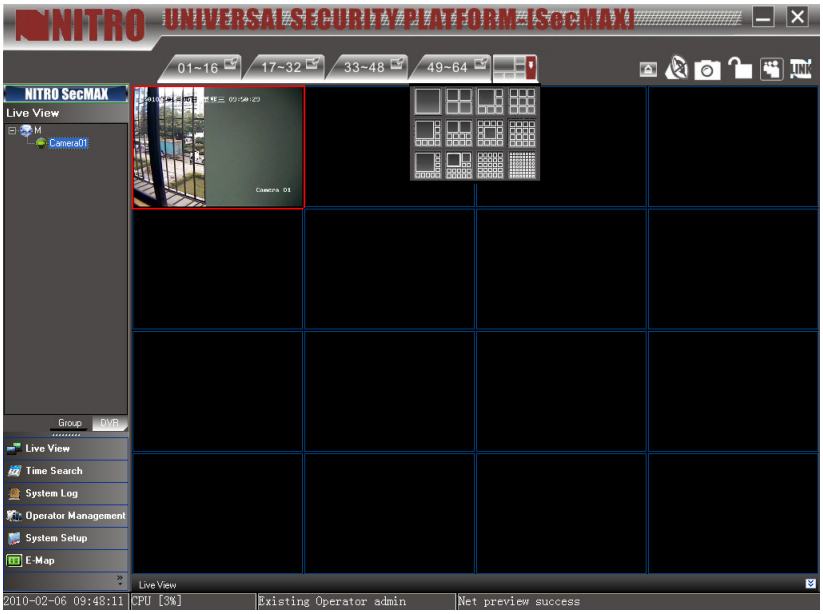


Figure 4.5

4.4 16 Multi-window Screen Preview

There are totally four multiple split screen (4 x 4 mode) for quick screen from one to the other, and these split screens would be the same as the camera channel selected in the 64 camera split screen (8 x 8 mode). For example, camera channels from 1 to 16 images would be displayed in the first multiple split screen and channels 17 to 32 would be displayed in the second screen, shown in Figure 4.6:

Figure 4.6

4.5 Full-screen Display

In the area of image preview, right click to select the "full screen" function, the SecMAX will be in full-screen mode. In the full-screen mode, operator can right click to select "Exit Full Screen", the image preview will resume normal state.

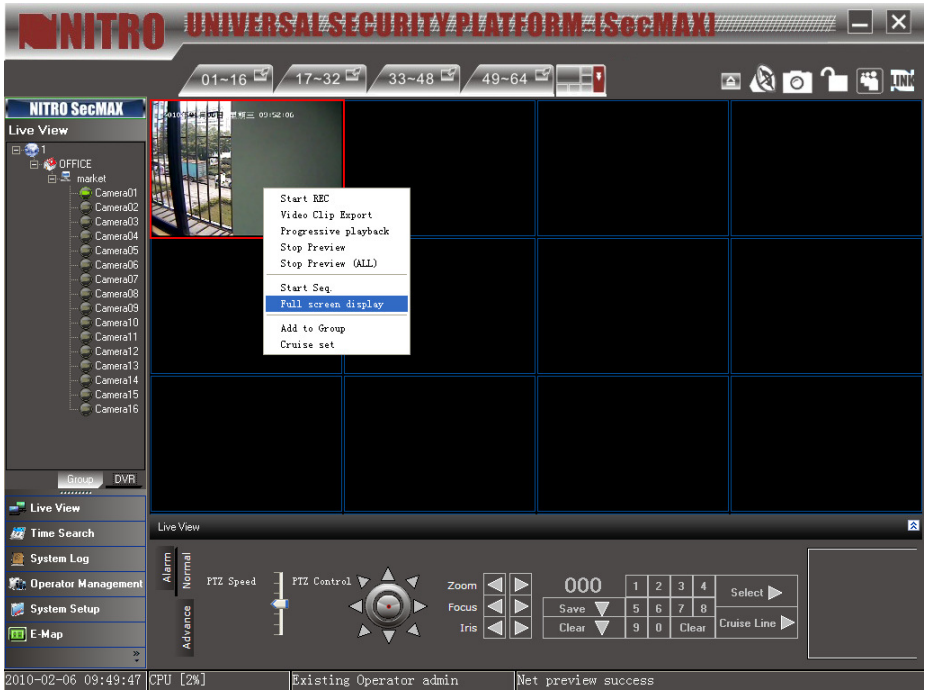


Figure 4.7

4.6 Sequential Display - Channel

4.6 .1 Sequential Display of Video Channel

Right-click a specific window in the image preview screen, operator can choose “Start Seq.” to start the sequential display function. That specific window will operate in sequential display mode among the video channel of the DVR in the original selected camera channel. This function will only be effective in the specific selected windows, the rest of the windows would not have any effect. Select the “Stop Seq.” for stop the sequential display of the particular video channel.

(Remark: Time interval of sequential display is set locally in the SecMAX setup section.)***

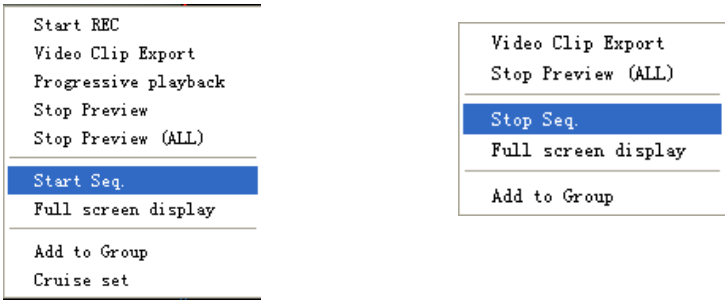


Figure4.8

4.6 .2 Sequential Display of Video Group

Right click the specific window which "Group" live video is showing, and then select the "Start Seq." to start the sequential display function. That specific window will operate in sequential display mode among the video channel of the selected group in the original selected camera

channel. This function will only be effective in the specific selected windows, the rest of the windows would not have any effect. Select the “Stop Seq.” for stop the sequential display of the particular video channel.

Figure 4.9

4.7 Camera Channel Selection

In the system device list, select the camera channel in the DVR list or group list, and then drag it into the selected window in the image preview section. The camera channel will be displayed, and operator can select the other camera to drag into the same window, then it will be replaced by the latest selected camera channel.

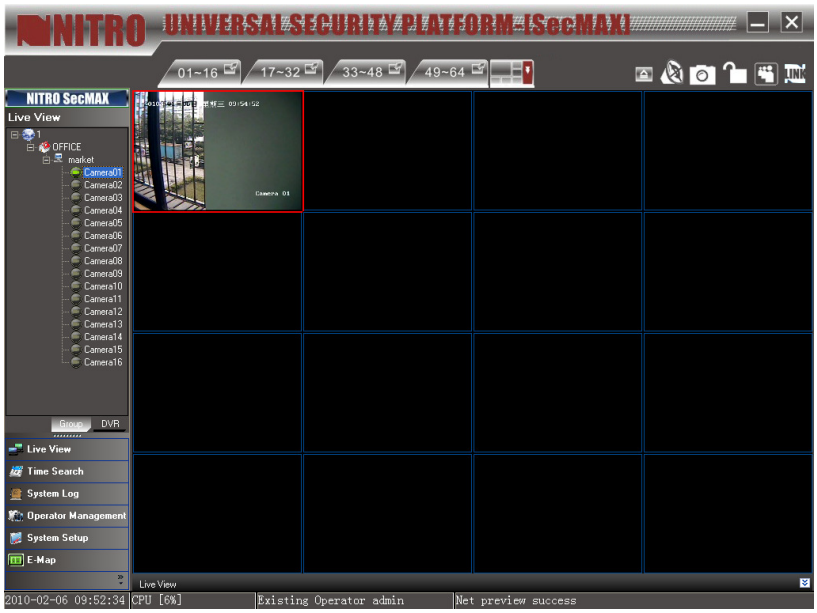


Figure 4.10

4.8 Sequential Playback – Playback Recorded Video

In the image preview, right-click the live video of the camera channel to select the "Progressive Playback", then there would be 12 windows showing the playback video of the camera channel for the past 12 hours separately.

(Remark: If the sequential playback is selected for the last few windows, the playback video will only be shown in the remaining number of windows.)***

4.9 Video Capture

During the image preview of the camera channel, operator can capture the image of that selected channel. The image is stored in the computer, and the default directory is "C: \ Picture"
Operation: Select the camera channel and then click the screen capture function key

.

The directory for screen capture can be changed in the "Local Settings" of software menu, please refer to the "Local Settings" section.

4.10 Local Video Recording

During the image preview of the camera channel, operator can manually record the video of that selected channel. The video is stored in the computer, and the default directory is "Record File" .
Operation: Select the camera channel, right-click to select "Start Rec." for start the manual recording. Right-click to select "Stop Rec" to stop the manual recording. The directory for manual recording can be changed in the "Local Settings" of software menu, please refer to the "Local Settings" section.

Figure 4.11

4.11 Setup Camera Channel Parameters

During the image preview, operator can adjust the image of the video.
Operation: Select the camera channel, double-click the “Live View” bar to extend the Operation Menu, operator can adjust the video parameter, shown in Figure 4.12.

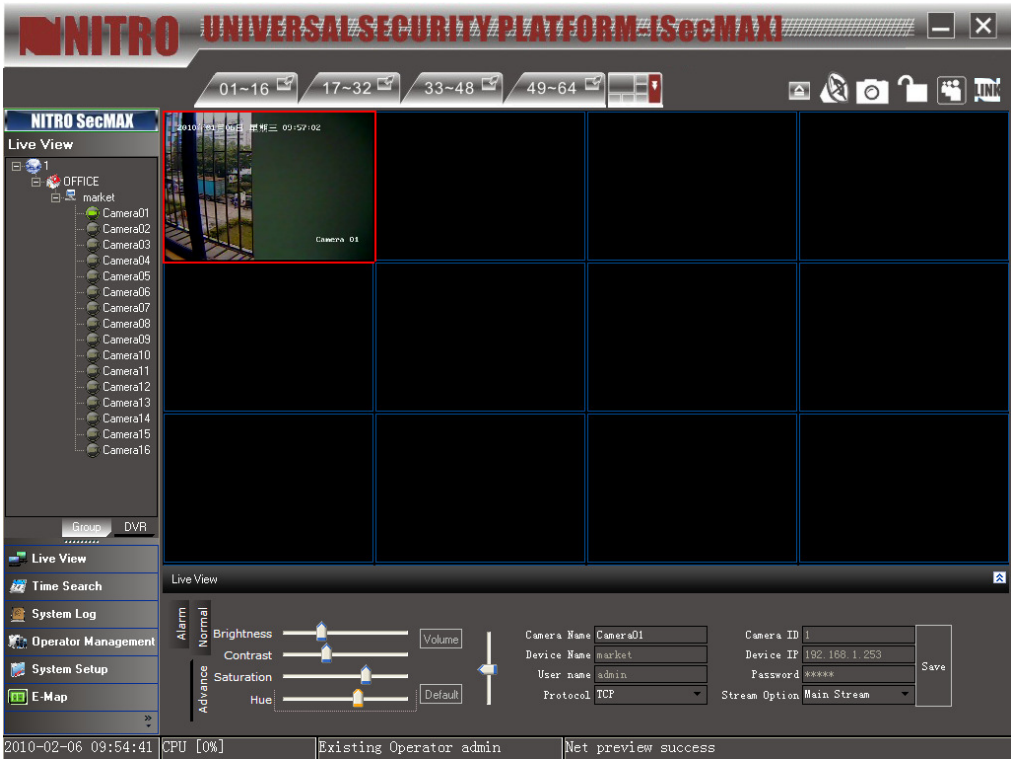


Figure 4.12

5 PTZ

Before having PTZ control, system device must be configured to support the RS485 related parameters in the "Serial Parameter Configuration". This setting should depend on the PTZ camera. In the image preview, select the camera channel for PTZ control, double-click the Live View bar to activate the operation menu, such function can be used in the “Advanced” section, shown in Figure 5.1.

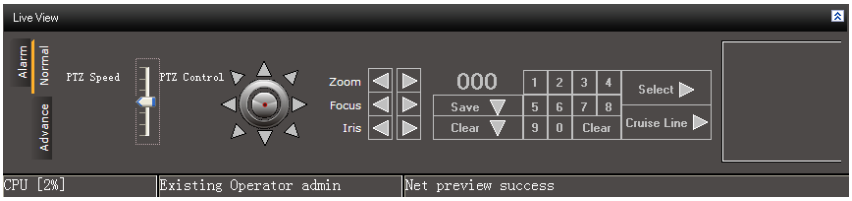


Figure 5.1

5.1 Control PTZ

Click the direction arrow to control the PTZ moment. Operator can control the movement, iris, focus, zoom, wiper and lighting. For the PTZ movement, operator can adjust the speed of the control. There would be 7 levels of the speed, and the default setting is level 4.

5.2 Setup Preset Position

After selecting the camera channel, enter "XXX" three digits preset point number and then click "Save" to confirm. The SecMAX system can support up to 128 preset points, and this would also be limited by the model and specification of PTZ camera.

5.3 Call Preset Point

Select a channel of images, enter the preset point numbers you need to call, click "Select" to activate the preset point.

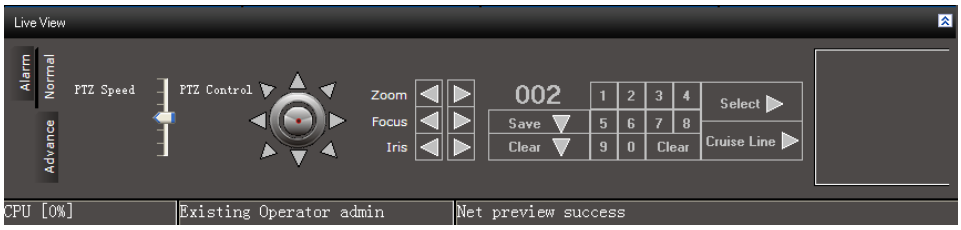


Figure 5.2

5.4 Setup Cruise Path

After selecting the camera channel, right-click to select "Cruise Path Set". The Cruise setup menu will be displayed, shown in Figure 5.3. Click "Add cruise spots" to add the extra cruise path. In each of the cruise path, operator can select the preset point and the time duration, speed for combining a set of preset point path.

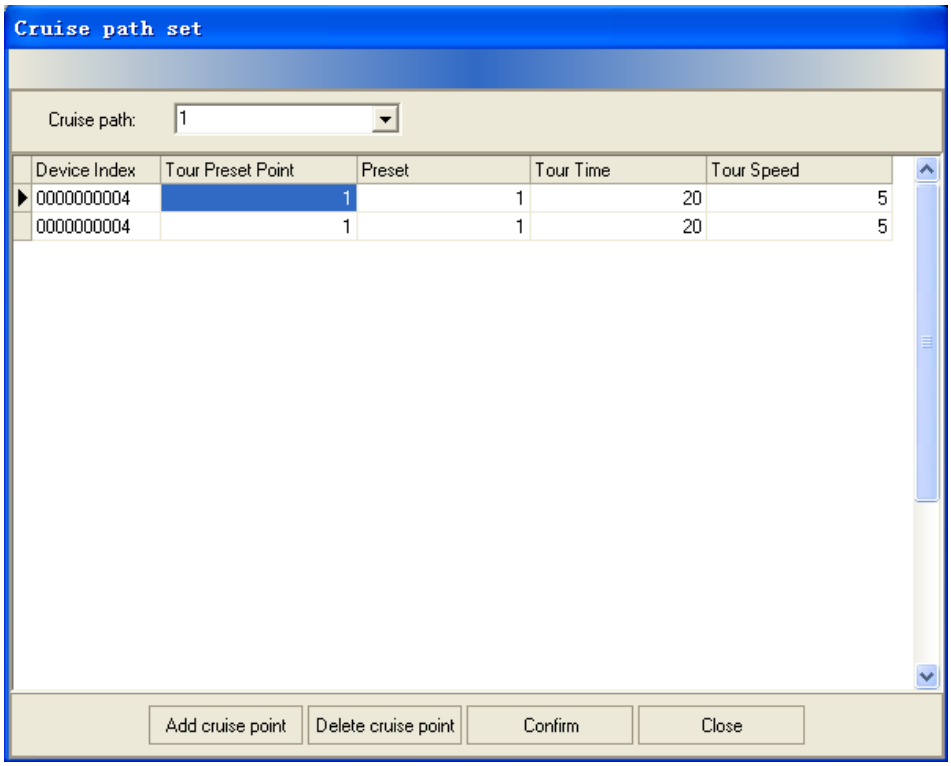


Figure 5.3

5.4.1 Call Cruise Path

After setting up the cruise path of the speed dome camera channel, operator can select the “Cruise Line” to activate pre-defined cruise.

Operation: Enter the “XXX” three digits number for selection of the cruise lines, and then click "Cruise Line" button to start the cruise operation. The display box on the right hand side would show the operating cruise path, shown in Figure 5.4:

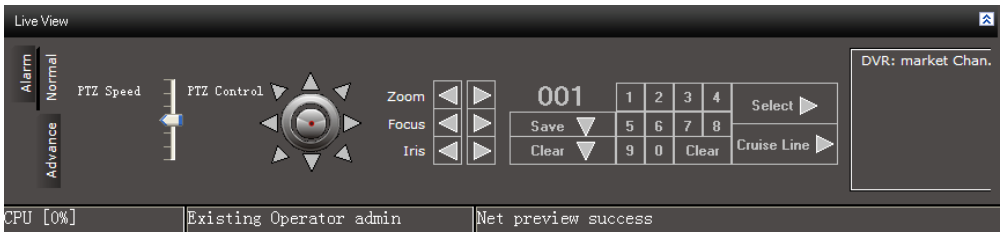


Figure 5.4

6 System Configuration

6.1 Local System Configuration

The local system configuration would be used for setting up the system operation in SecMAX, shown in Figure 6.1.

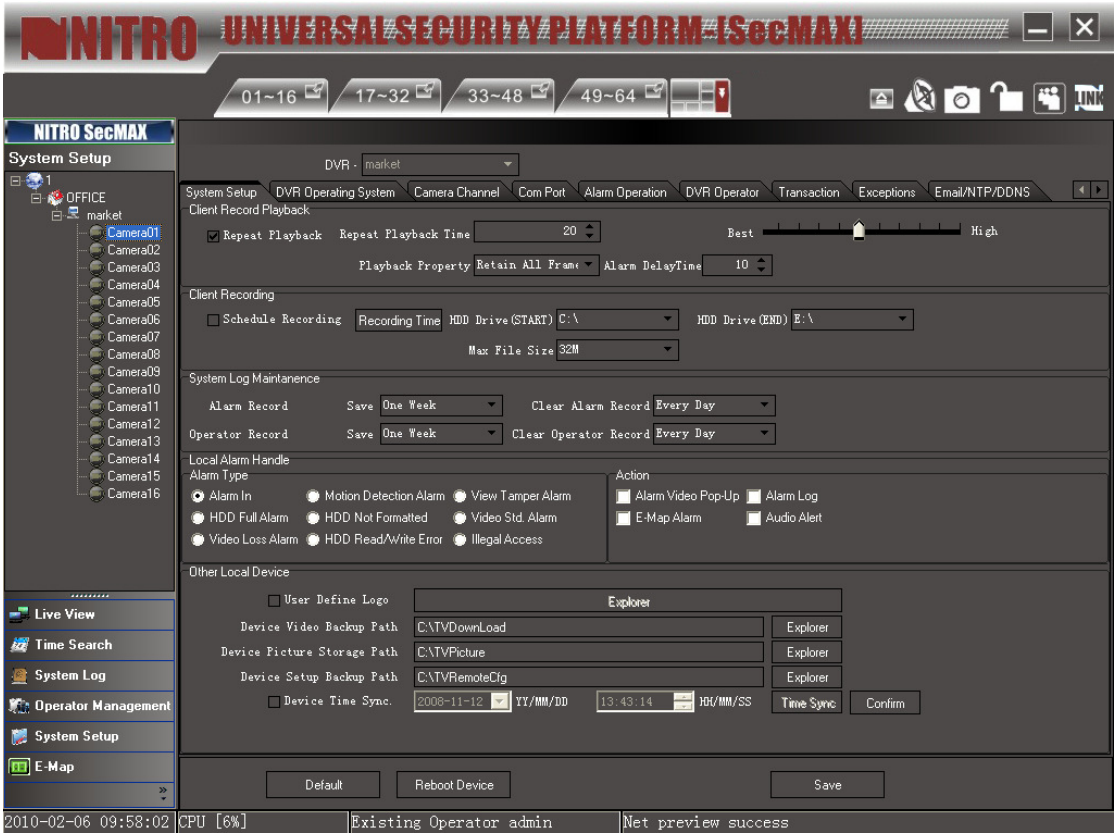


Figure 6.1

6.1.1 Client Record Playback：

Setting the local video parameter for sequential display of the camera channel
Repeat Playback: Enable the sequential display function
Repeat Playback time: Set the time duration for the sequential display, min. 20s, max. 120s.
Playback Property: Select “Retain all frame”, “Deduce one frame” and “Deduce two frame”.
Alarm Delay Time: Set the time duration when there is alarm events in the system.

6.1.2 Client Recording

SecMAX supports the local PC video/audio recording, and the image would be from the system device. Operator can select the drive of the HDD for local recording, and the system can support schedule recording and overwritten recording. If the HDD space will be in first in first out mode for overwritten recording. The recording file size can be selectable in 32M, 64M, 128M and 256M.

(Remark: After setting up the schedule recording, it is needed to restart the SecMAX software.)***

Schedule Recording Setup：

In the "System Setup", select "Recording Time" to enter the recording schedule time table. Operator can set up to four group of the time and date recording schedule per camera, and the option of “Continuous Recording” would be used for activating the recording in all time, shown in Figure 6.2. Operator should firstly select the camera channel in DVR before setting the schedule.

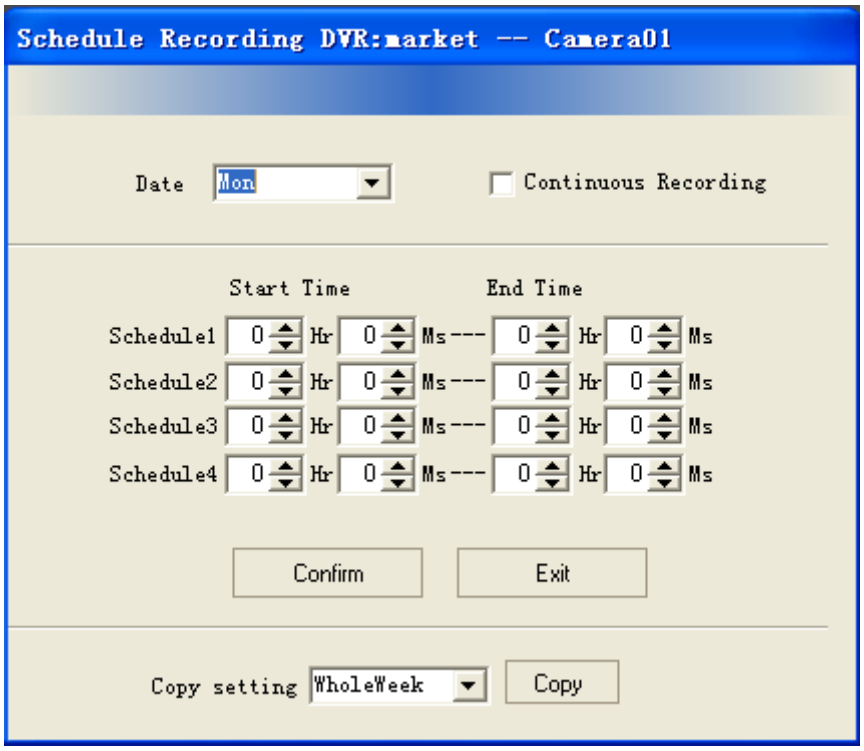


Figure 6.2

Manually recording:

If the schedule recording function has not been set and used, operator can also manually start or stop recording of the specified camera channel.

Operation: Select camera channel in the image preview, right-click to select "Start Rec". And the camera channel icon will change to Red for start recording. On the other hand, right-click to select “Stop Rec" for stop manual recording.

(Remark: When overwritten recording is selected, the earliest files will start to be deleted in the case of HDD drive having less than 2G space; if overwritten recording is not activated, the recording process will be stopped automatically in the case of HDD drive not having the space more than 2G.)

6.1.3 System Log Maintenance:

In the "System Log" section, operator can set the max. storage time of "Alarm Log" and "Operator log", and there would be the options of one month, two weeks and one week. Operator can also have the choice to select how long the time period the system and operator log will be deleted in each time.

(Remark: The time interval in the “Clear Record” cannot be longer than the “Record” , otherwise, the setting cannot be saved and error message will be displayed.)***

6.1.4 Local Alarm Handle

This section can be used to set which alarm information should be responded to the system device's alarm activities. The alarm would include Alarm In, Motion Detection Alarm, View Tamper Alarm, HDD Full Alarm, HDD Not Formatted, Video Std. Alarm, Video Loss Alarm, HDD Read/Write Error and Illegal Access. The action can be Alarm Video Pop-up, Alarm Log, E-Map Alarm and Audio Alert. And it is needed to click "Save" for confirmation.
(Remark: The system device must be in ARM mode for providing the alarm signal to the SecMAX software.)

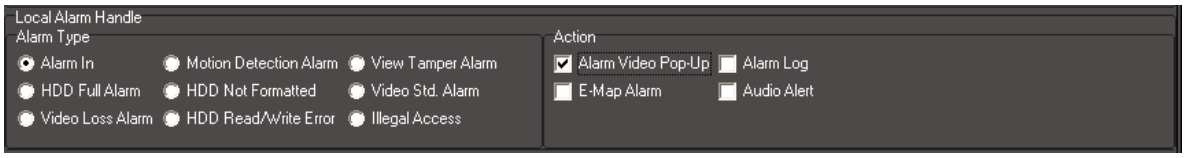


Figure 6.3

6.1.5 Other Local Setup

User Define Logo: Operator can use their own logo in the SecMAX software, and the selected picture will replace this

logo.
Device Time Sync: Operator can select a specific time for synchronize the time to all the system devices in the SecMAX daily, or the time sync process can be done manually if required.
(Remark: SecMAX would act the time server as the primary source of the reference time.)***
Path : Operator can set the path for storing the captured picture, video backup and also the system setting file, and the path can be changed accordingly.

6.2 System Device Setup

In the SecMAX application software, operator can remote configure the system device.
(***Remark: The remote configuration section may be difference which would depend on the model of the server. Please refer to the actual user manual of the system device.)

6.2.1 DVR Operating System

Select the "DVR Operating System" In the remote configuration, shown in Figure 6.3.
This setting would include all the network configuration of the system device, and setting should be compatible with the actual network environment. Otherwise, the system devices cannot be connected.
Server configuration information:
Device Name: The name of system device, maximum of 32 characters or 16 Simplified Chinese words.
Device ID: The ID of the system device for remote controller or keyboard controller operation, maximum ID address would be 255.
Continuous Recording: Operator can set the system device to be in overwrite recording mode or not. Select "Yes" to enable overwrite recording, and the earliest recording file will be deleted in the case of HDD full, whereas select "No" to disable the overwrite recording function.

Some of the information cannot be changed, eg. Channel No. ,HDD No., Alarm Input No., Alarm Output No. and Device Type.

Network Parameter:

Network interface: There would be options for 10M/100M half duplex/Full duplex.

MAC Address: Showing the MAC address of the system device

IP address, Port No. and the IP mask: the setting of IP address, communication port number and subnet mask in the system device. The default port number is 8000.

Gateway: the setting of the gateway in the system device. This setting would mostly refer to the address setting of the router or the address which the system device should be used for internet application.

Remote IP address and port number: the IP address and port number of host PC which receive alarm information.

Multicast IP: the use of multicast mode, need to enter the IP address of a D class. Range is 224.0.0.0 to 239.255.255.255.

HTTP Port : the port number for using Web (IE) to access the system device.

NAS host address and the directory: If you use network storage services, enter the IP address of the network storage server and storage path.

IP Server Address: Setting up the Server IP address or domain name required.

PPPOE parameters: Setting up the PPPoE of the network.

After setting parameter, click "OK". you need to restart the server after the entry into force of the parameters, click on "Restart."

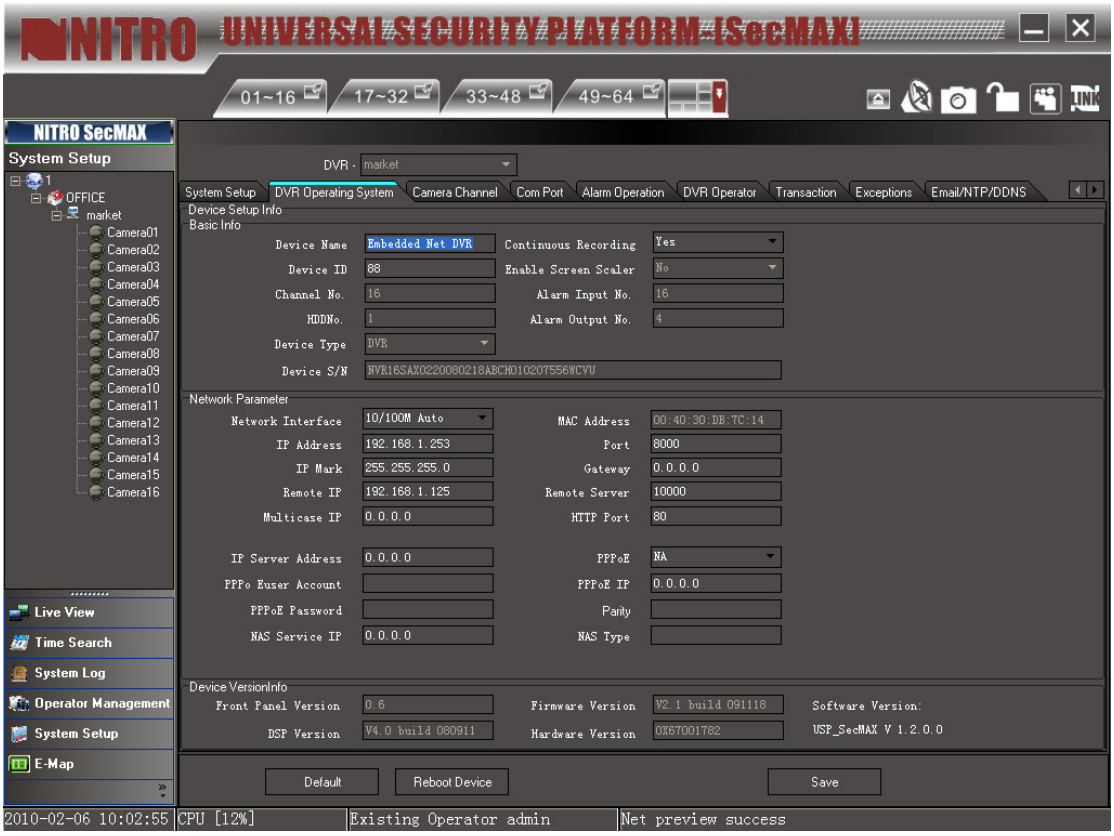


Figure 6.4

6.2.2 Camera Channel Setup

Select "Camera Channel" remote configuration section, shown in Figure 6.5.

Camera ID: Select the camera channel which would need to be setup.

Camera Name: Enter the name of the camera channel, support up to 32 characters or 16 Chinese characters.

Video Encoding Parameter: You can choose the main stream, sub-stream, the event triggered。

Stream Option： If there would be the choice for Main Stream, Sub Stream and Alarm. Main Stream would be the major video streaming in the DVR which would be used for recording. Sub Stream would be the video for network transmission only. ***(***Remark : some system device models would not support the Sub Stream Setting.)*** Alarm would be the video recording setup for event triggering.

Max Bit rate： This is the choice of max. bit rate using in that particular video channel, including the options of 32K, 48K, 64K, 80K, 96K, 128K, 160K, 192K, 224K, 256K, 320K, 384K, 448K, 512K, 640K, 768K, 896K, 1M, 1.25M, 1.5M, 1.75M, 2M, custom. Higher the bit rate, better the video quality and more HDD space required.

Frame Rate (fps)： All (PAL25 frames / sec, NTSC30 frames / sec), 20, 16, 12, 10, 8, 6, 4, 2, 1, 1/2, 1/4, 1/8, 1/16. Higher the frame rate, smoother the playback video, more HDD space required.

Image Quality: 6 Level, including Highest, Higher, High, Average, Low, Lowest. Higher the image quality, better the video quality and more HDD space required.

Resolution: The default setting is CIF, and the other options would include QCIF, 2CIF, DCIF, 4CIF. There are only the options QCIF and CIF in Sub Stream setup.

(Remark : Not all the NVR series DVR can support 4CIF recording resolution, please refer to the product information.)***

Bit Rate Type: Selection of Variable Bit Rate or Constant Bit Rate

Frame RaBP Frame: Selection of BBP and P only.

Remote Schedule Recording:

Operator can enable the schedule recording function of the system device. After this function has been activated, click “Remote Recording” to display the time schedule, shown in Figure 6.6. There would be four time schedule to be available in the setting, or it can be set as continuous recording.

(***Remark: The video setting in the “Alarm” section would only be workable if the motion or sensor input should be used.

Pre-Alarm Rec: This is the pre-alarm recording time duration in the case of motion or sensor input Alarm occurs, the options can be 5s (default), 10s, 15s, 20s and 25s

Post-Alarm Rec: This is the post alarm recording time duration in the case of motion or sensor input Alarm occurs, the options can be 5s, 10 s, 30s, 1 minute, 2 minutes and 5 minutes.

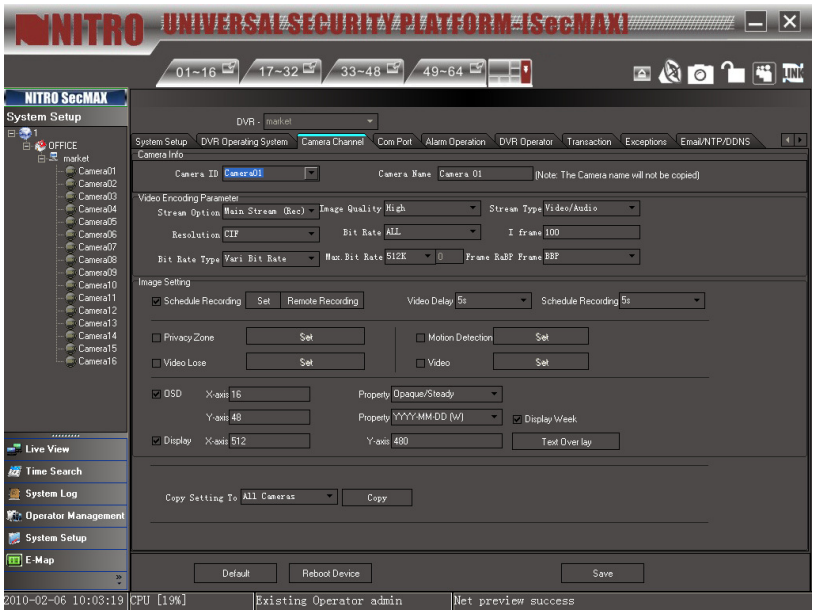


Figure6.5

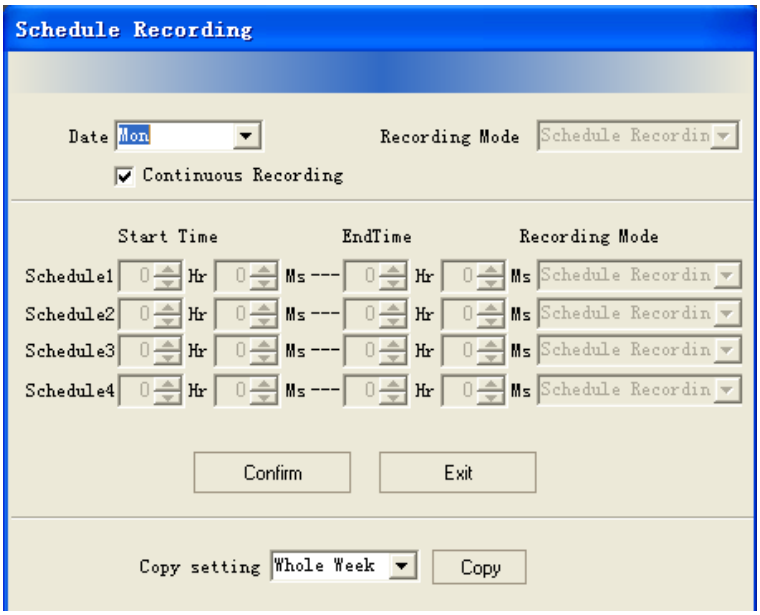

Schedule Recording
Date Mon
Recording Mode Schedule Recordin
Continuous Recording
Start Time
EndTime
Recording Mode
Schedule1 0 Hr 0 Ms --- 0 Hr 0 Ms Schedule Recordin
Schedule2 0 Hr 0 Ms --- 0 Hr 0 Ms Schedule Recordin
Schedule3 0 Hr 0 Ms --- 0 Hr 0 Ms Schedule Recordin
Schedule4 0 Hr 0 Ms --- 0 Hr 0 Ms Schedule Recordin
Confirm
Exit
Copy setting Whole Week
Copy

Figure6.6

There would be the setting for privacy zone, motion detection, video loss and video tamper

For the privacy zone and motion detection, operator can have the choice to select the zone area for the alarm function.

Select the "motion detection", click "Setup" to enter the motion detection setup section, shown in Figure 6.7.

Figure6.7

Display Detection Zone：Select “Display Detection Zone”，the preset region would be displayed on the screen.

Set Detection Zone： Select ”Set Detection Zone”， press the “Ctrl” and then use the mouse to draw the motion detection area.

Sensitivity：There would be the setting option of NA and 0 - 5，NA is switching off the setting; 0 for lowest sensitivity; whereas 5 is highest .

Recording channel：Select channel for recording when motion detection of the channel has been triggered.

Detection Interaction：This is the result of the alarm setting, including the “On Screen Alarm Display”, “Audio Alarm”, “Trigger Alarm Output” and “Upload to Centre”.

Date Applied：Set the week day for using motion detection function.

Copy setting to：Copy the time setting of selected day to the other week days

(Remark: It is needed to click "Copy" for copying the setting before selecting the “Confirm”)***

OSD Property Setting: In this section, operator can set the OSD display position, display status, time & date format, and text overlay function. For the text overlay function, each channel can enter max. 4 lines of words, and each line can support up to 44 characters (22 Chinese words).

(Remark : Some of the setting should restart the system device, operator would need to click the “Reboot Device” for restarting the device.***

6.2.3 Com Port Setup

Select "Com Port" in the remote configuration, shown in Figure 6.8. The interface can be used to configure RS232 and RS485 interface. After setting has been completed, click "Save" to confirm, and it is needed to reboot the system device.

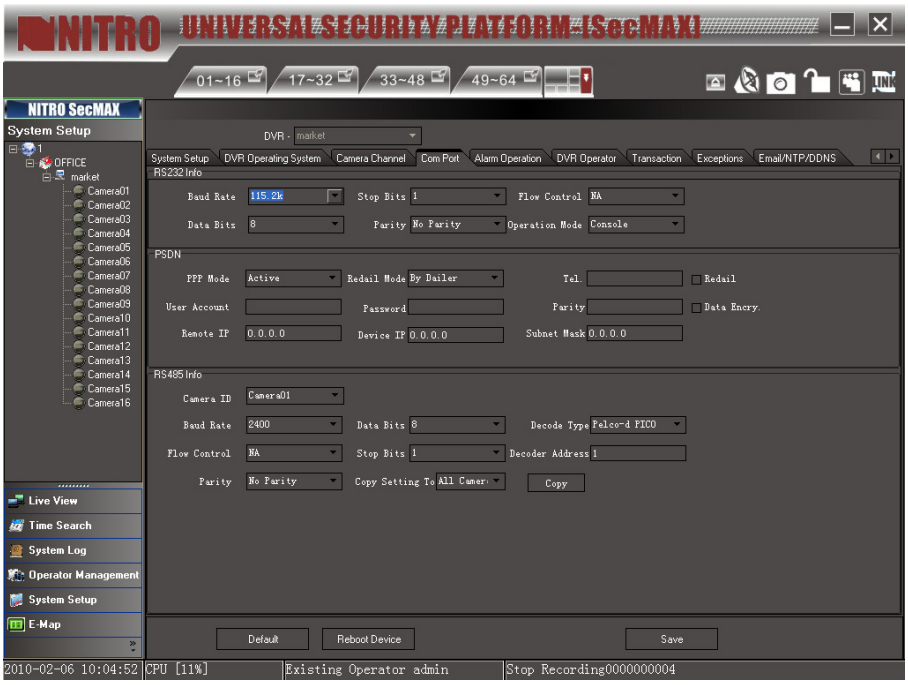


Figure6.8

6.2.4 Alarm Operation

Select "Alarm Operation" in the remote configuration, shown in Figure 6.9. The interface can be used to configure sensor input alarm and exception alarm of the system device.

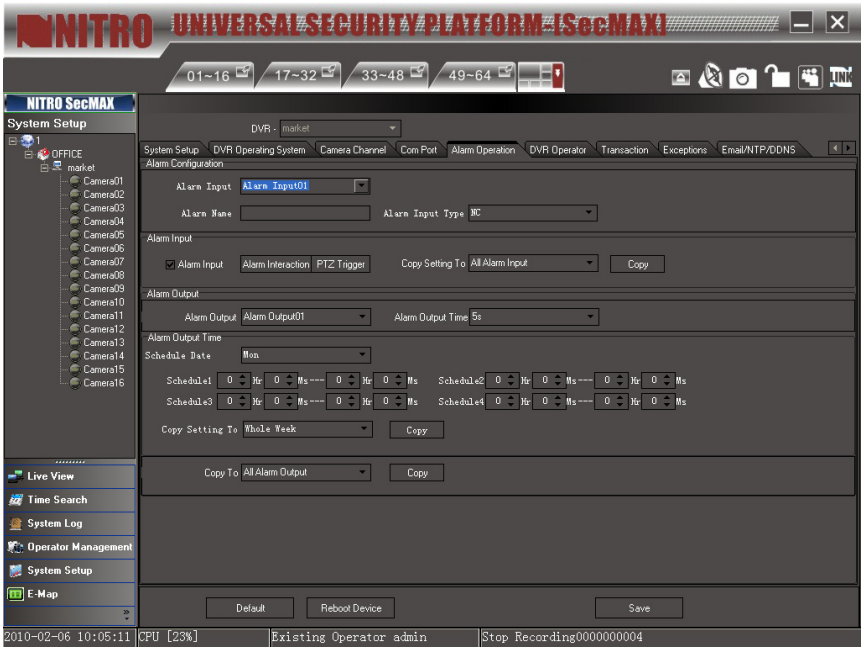


Figure6.9

Select the Alarm input number, operator can select the type of alarm input and enter the name of the alarm input. Click on the “Alarm Interaction”, the alarm triggering option is shown in Figure 6.10.

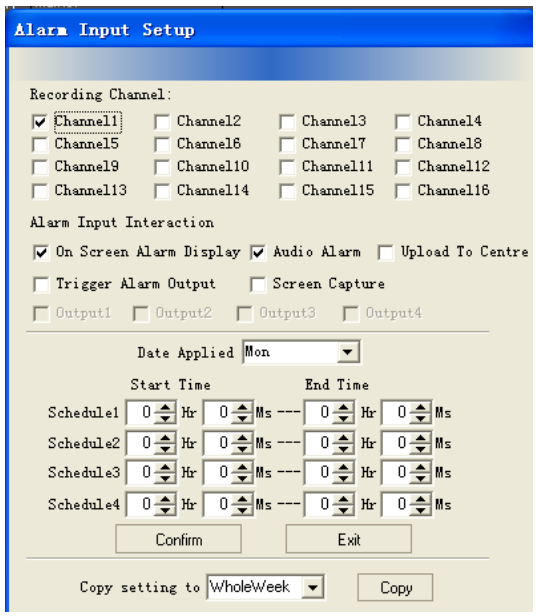
Recording channel： Select channel for recording when motion detection of the channel has been triggered.

Detection Interaction： This is the result of the alarm setting, including the “On Screen Alarm Display”, “Audio Alarm”, “Trigger Alarm Output” and “Upload to Centre”.

Date Applied： Set the week day for using motion detection function.

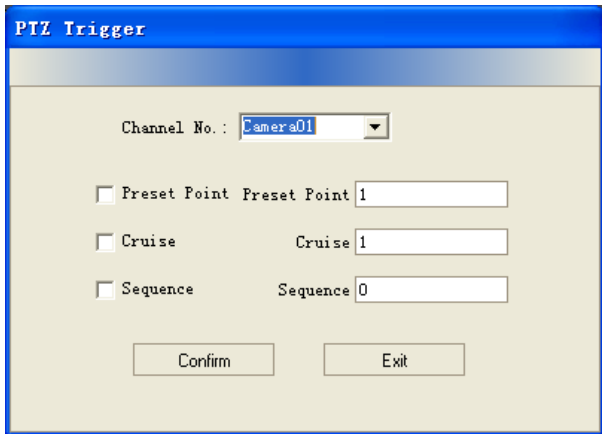
Copy setting to： Copy the time setting of selected day to the other week days

(Remark: It is needed to click "Copy" for copying the setting before selecting the “Confirm”)***



Figrue6.10

Click on the "PTZ Trigger", operator can select to trigger the preset point, cruise or sequence of the PTZ camera, shown in Figure 6.11



Figue6.11

After setting, click “Confirm” to save, and then click “Exit” to exit the setup.

Alarm Output: Select the Alarm Output for setting

Alarm Output Time: Select alarm output time duration from 5s to 10 mins, or manually operate.
Schedule Time: Set the alarm output operating period.

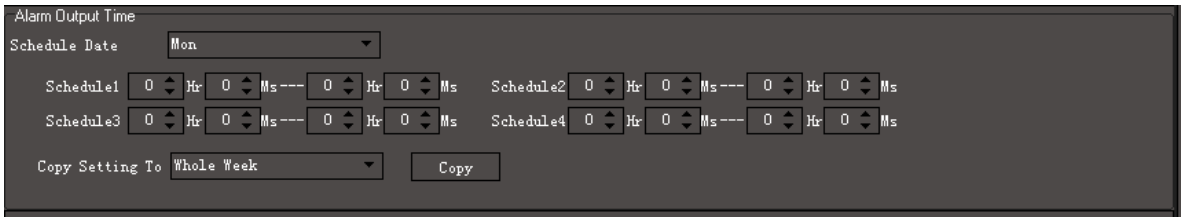


Figure6.12

6.2.5 DVR Operator

Select "DVR Operator" in the remote configuration, shown in Figure 6.13.
This setting is for setting up the access right of the system user in the NVR DVR, include user name, password and specific access right, etc.

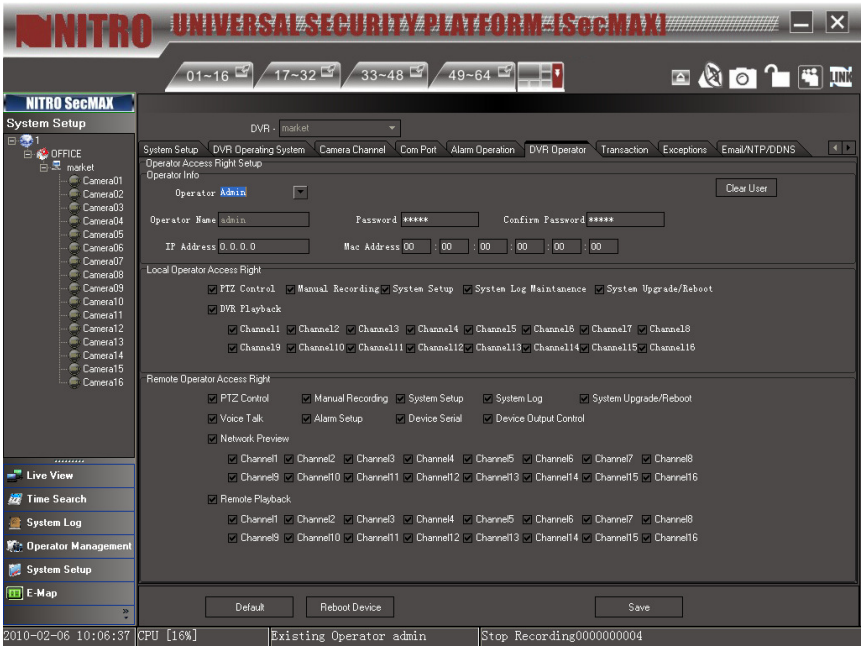


Figure6.13

After the user has been added or edited, click "Save" for confirmation. And it is needed to Reboot the device for using the new setting.
(Remark: When the IP address has been inputted, that system user can only be login using the PC with the same IP address. This is for high security application, and it is not recommended for normal usage.)***

6.2.6 Transaction

Select "Transaction" in the remote configuration, shown in Figure 6.14.
This setup is for setting up the command receiving from the third party devices or ATM machines.

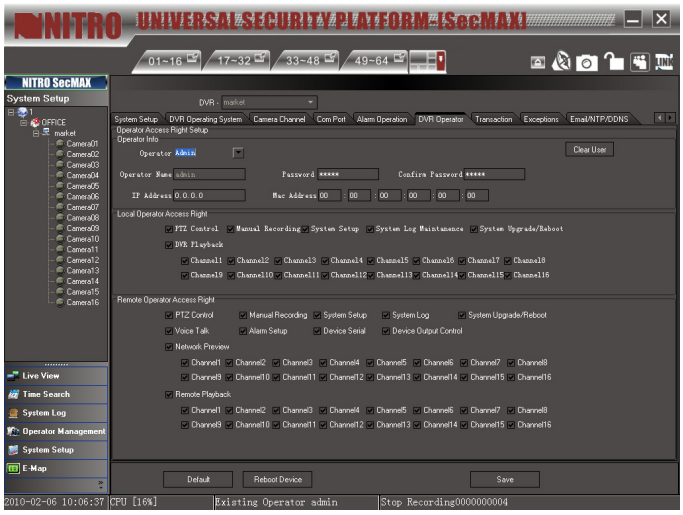


Figure6.14

6.2.7 Exceptions

Exceptions would be used for setting up the abnormal event happening in the system device, and the event would include HDD Full/HDD Error/Network Failure/IP Address Conflict/Illegal Access/PAL/NTSC Error. Operator can select the corresponding actions to the events.

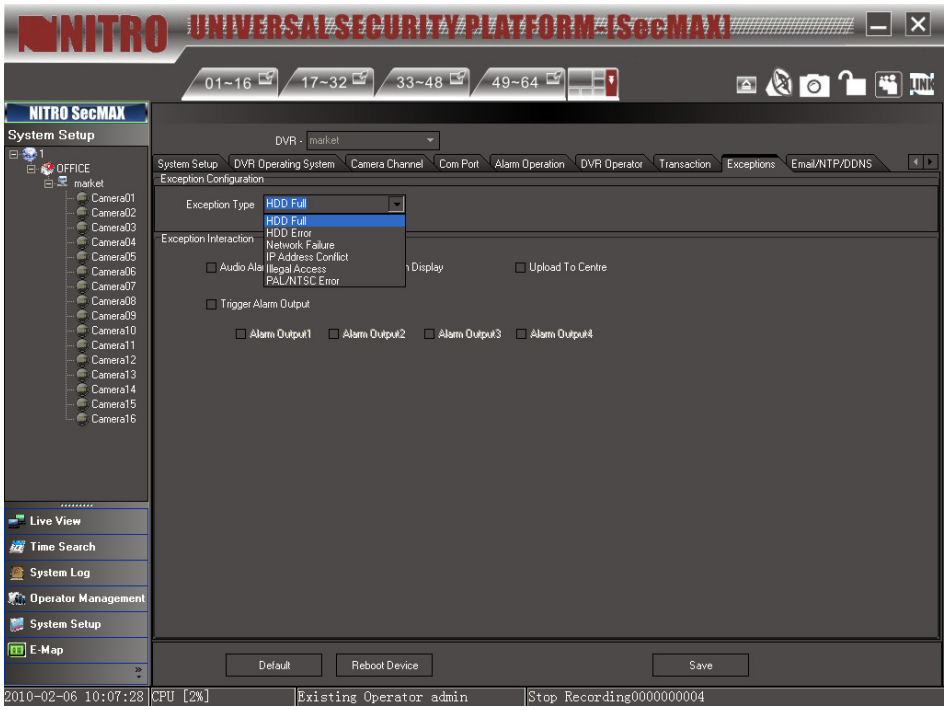


Figure6.15

6.2.8 Default

Click the "Defaults" to restore factory default setting in the system device

6.2.9 Reboot Device

Click "Reboot Device" to restart the system device. This would be needed if some of the system device's setting has been adjusted.

6.3 Alarm Monitoring

System Device Arm/Disarm

Right-click the device to activate the arm/disarm mode of the system device. For the armed device, SecMAX can receive the alarm notification from it.

(Remark: Live view in group mode cannot have arm/disarm function)***

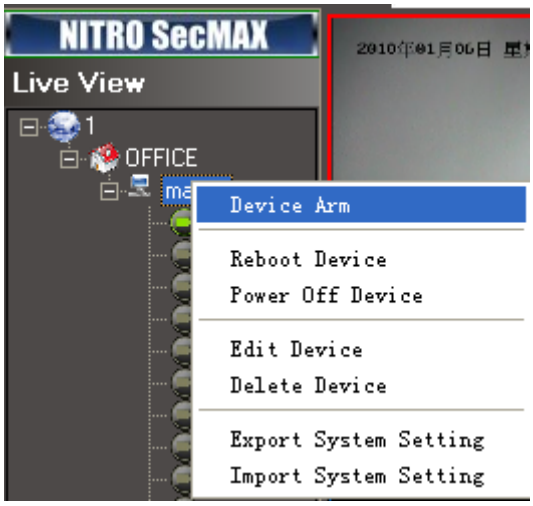


Figure6.16

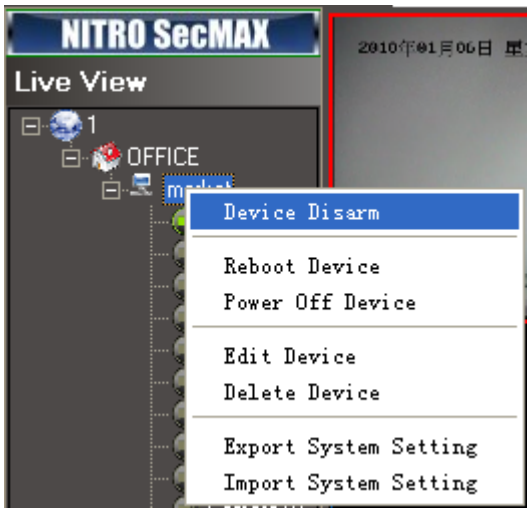


Figure16.17

The arm/disarm operation should refer to the setting in “Local Alarm Handle” section. In the case of choosing the **“Alarm Image Pop-up”**, the “Alarm View” video screen will be displayed on the top of the SecMAX screen for showing the video image of the camera channel. If there is more than one alarm event, operator can click on "next" button to show the next alarm event image..

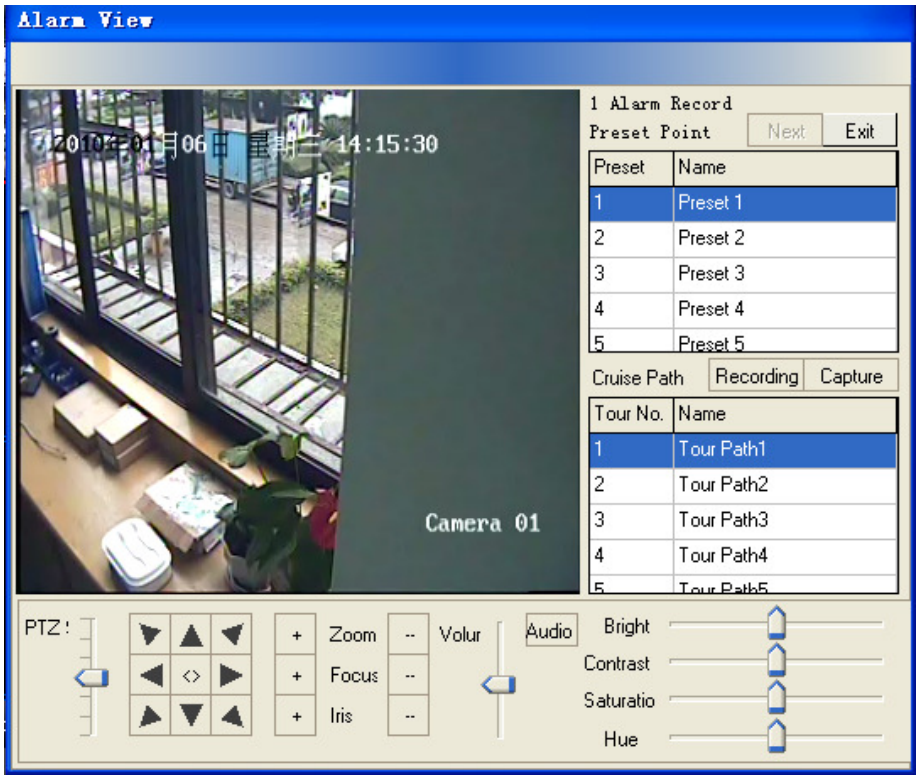


Figure6.18

If **"E-map Alarm"** has been selected in the "Local Alarm Handle", the camera icon in the E-map will flash accordingly. Operator can click on the camera icon with alarm indication for alarm acknowledgement.

Select linkage alarm log, received alarm and written in local database, can be used inquired for alarm log.

The **"Audio Alert"** function would provide beep sound in the local SecMAX server PC.

If the **"Alarm Log"** has been selected, the logo of the SecMAX software will be in flash mode. Operator would need to acknowledge the alarm in the "Alarm" section of the "Live View". There would be the alarm status event showing the alarm information, shown in Figure 6.19; The acknowledgement can be completed by single or all alarm event selection.

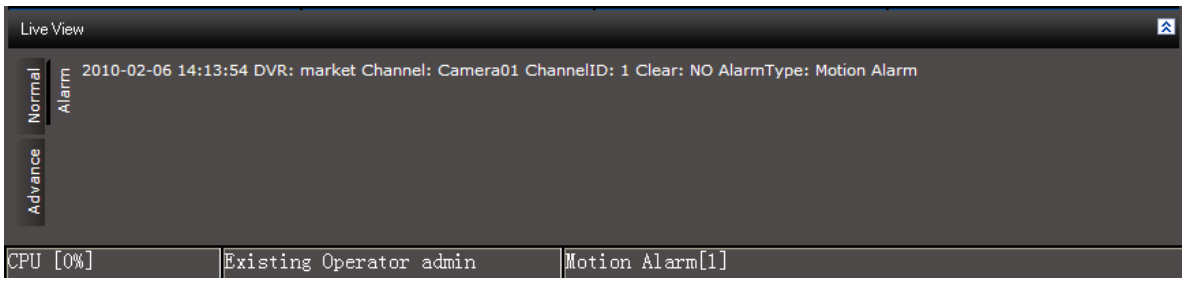


Figure6.19

6.4 System Log

Select the "System Log" in System Menu to show the log search window (Figure 6.20).

Operator can select to search the log from the local SecMAX PC or from the remote system device, and then enter the search requirement for showing the corresponding result.

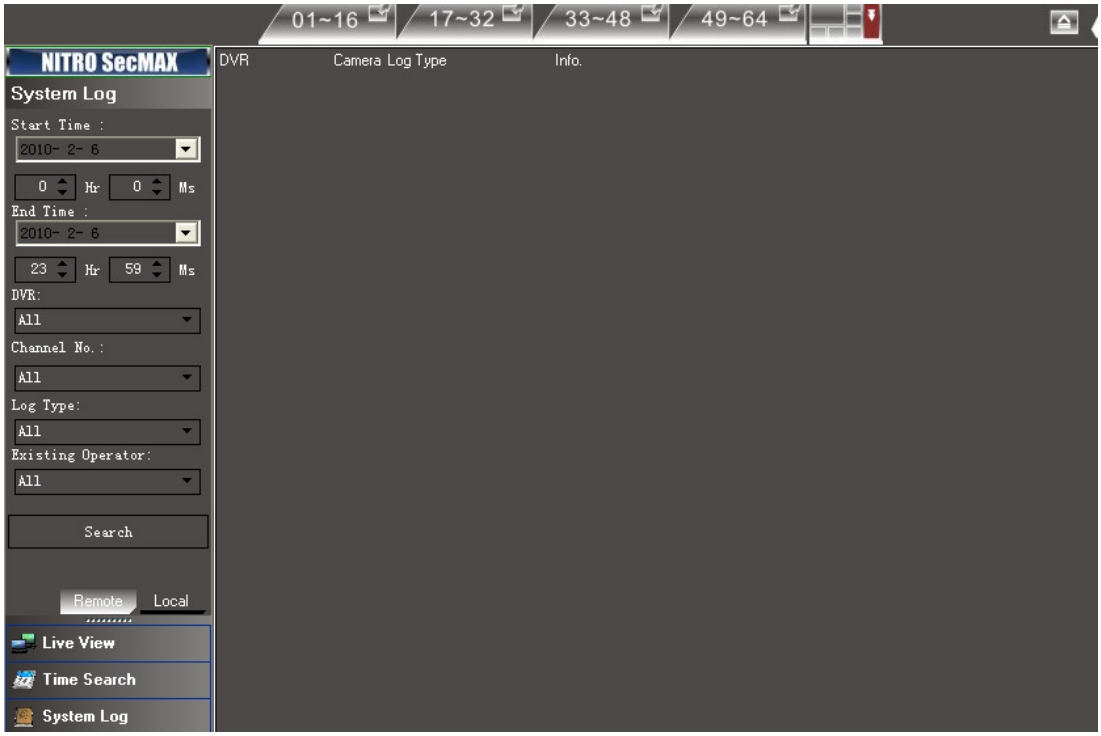


Figure6.20

7 Time Search – Video Playback

7.1 Playback Interface Instruction

Select the "Time Search" in System Menu to enter video playback section, shown in Figure7.1. Operator can firstly select the camera channel in the System Device list, and then choose the video playback from the local SecMAX server PC or from the remote system device. The corresponding date and time information will be displayed accordingly.

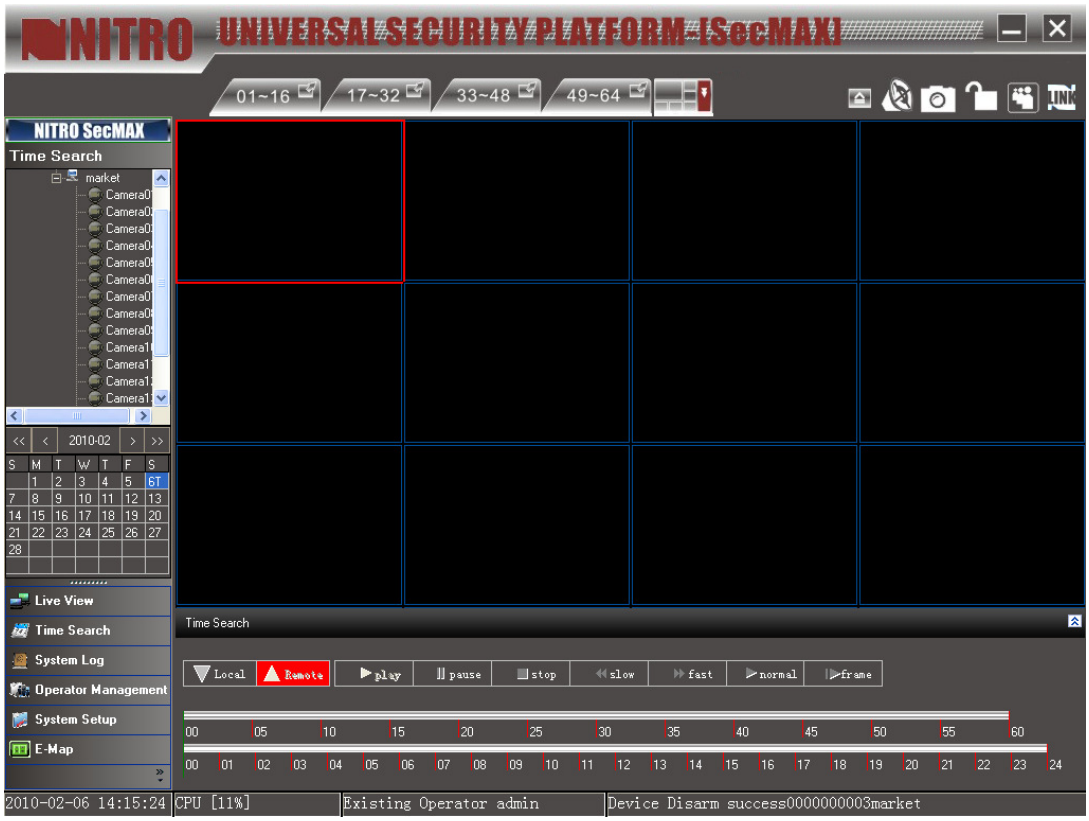


Figure7.1

Figure 7.2 would show the control menu of the time search section.

Figure7.2

Local – select to playback image from the local SecMAX server.

Remote – select to playback image from the remote system device.

Play – start to play the video

Pause – pause the playback video, and the video can be resume by pressing the Play Button.

Stop – stop the video playback of the selected camera channel.

Slow – reduce the speed of video playback

Fast – increase the speed of video playback

Normal – resume the speed of video playback to normal

Frame.- playback the video frame by frame

7.2 Playback Operation

7.2.1 Single Channel Video Playback

In the time search section, select a window in the “Image Preview” area, and then select the camera channel. The calendar will show the date information which would have the recorded video in red colour. Operator can select the date with recording video, and then choose the time status bar in hour and mins. The video playback will be shown in that window accordingly.

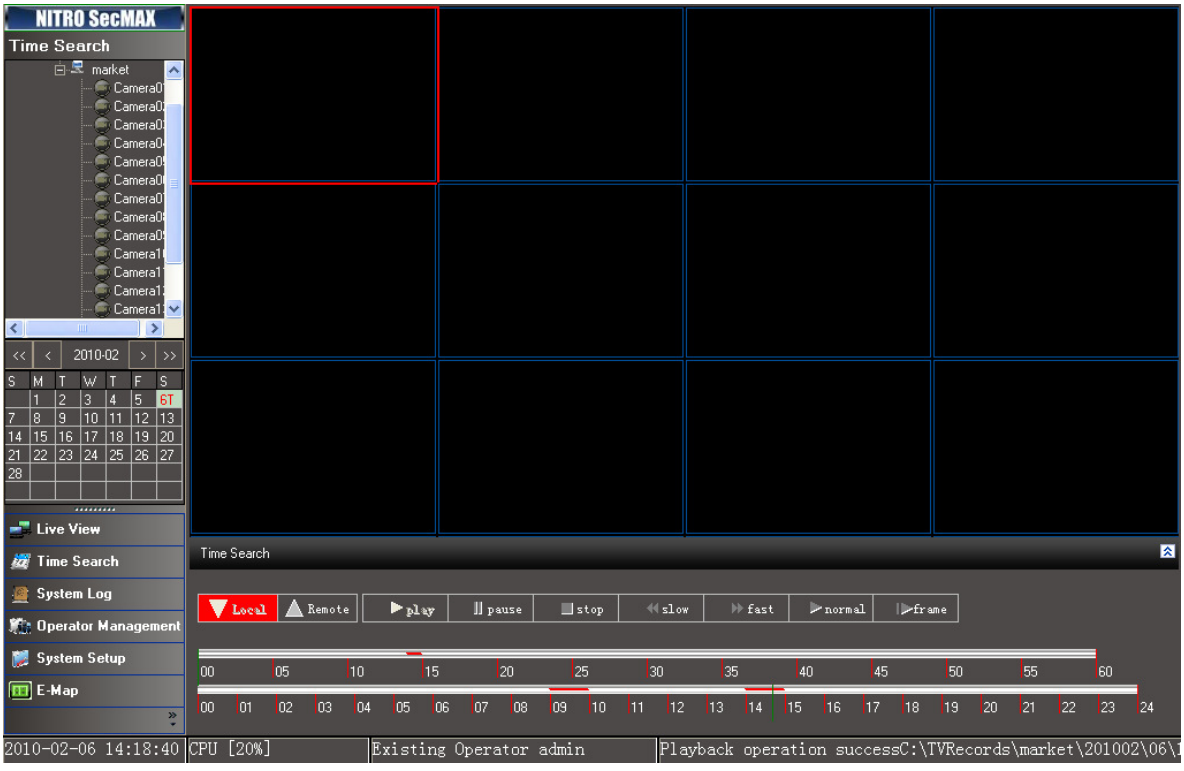


Figure7.3

7.2.2 Synchronized Video Playback

If more than one camera channels have been in playback mode, operator can select one of the camera channel to synchronize the time to all the other video channel. Right-click to choose "Playback for same time", then all the camera channel will be played at the same time period. (***Remark: If the camera channel would not have recorded video of the selected time, no video playback can be arranged.)

Figure7.4

7.2.3 Sequential Playback

In the image preview, right-click the live video of the camera channel to select the "Progressive Playback", then there would be 12 windows showing the playback video of the camera channel for the past 12 hours separately.

(Remark: If the sequential playback is selected for the last few windows, the playback video will only be shown in the remaining number of windows.)***

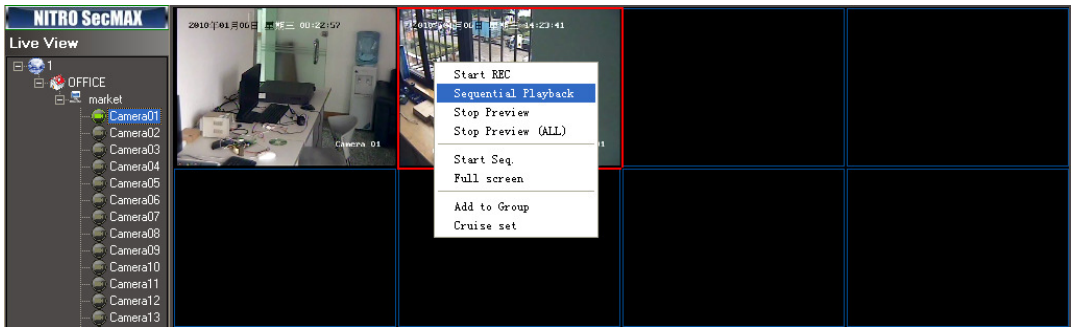


Figure7.5

8 Other Functions

8.1 System User Management

8.1.1 Add/Delete System User

In the System Menu, select the "Operator Management" to add, delete or edit the access right or the system user.

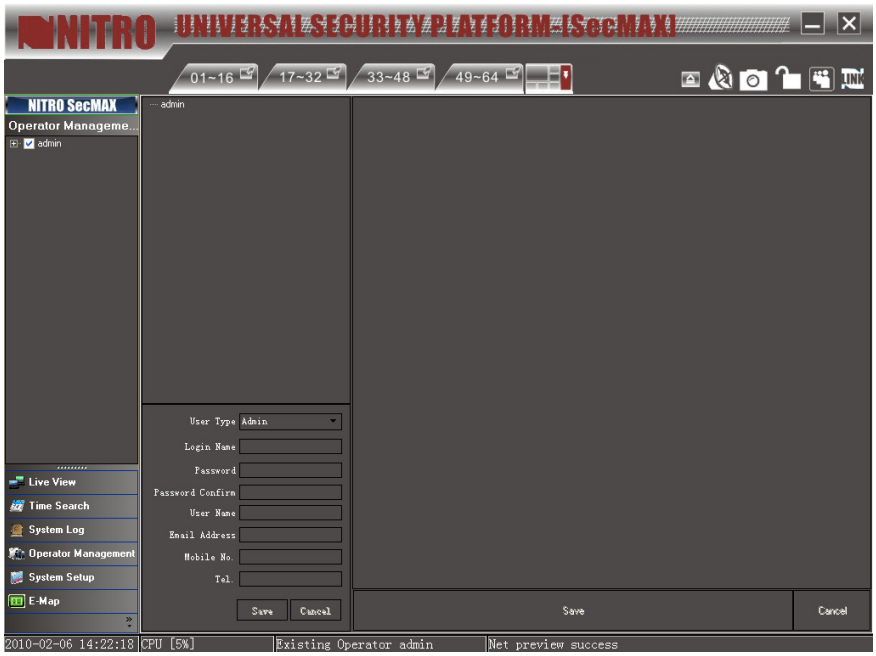


Figure8.1

Right-click the system user region, shown in Figure 8.2. Operator can firstly input the new system user information (Figure 8.3), and then right click to select "Add New Rule". The new system user will then be added into the system

Figure8.2

Figure8.3

8.1.2 Modify System User/ Update User Access Rule

Select a system user, right-click to select "Edit User Information"
(***Remark : System User with higher access level can manage the user with lower level).

Figure8.4

After changing the access rule, select “Update User Rule” for confirmation.

Figure8.5

8.2 E-Map

8.2.1 Add E-map

Select "E-map" in the System Menu, right-click to add the map root node, shown in Figure 8.7.

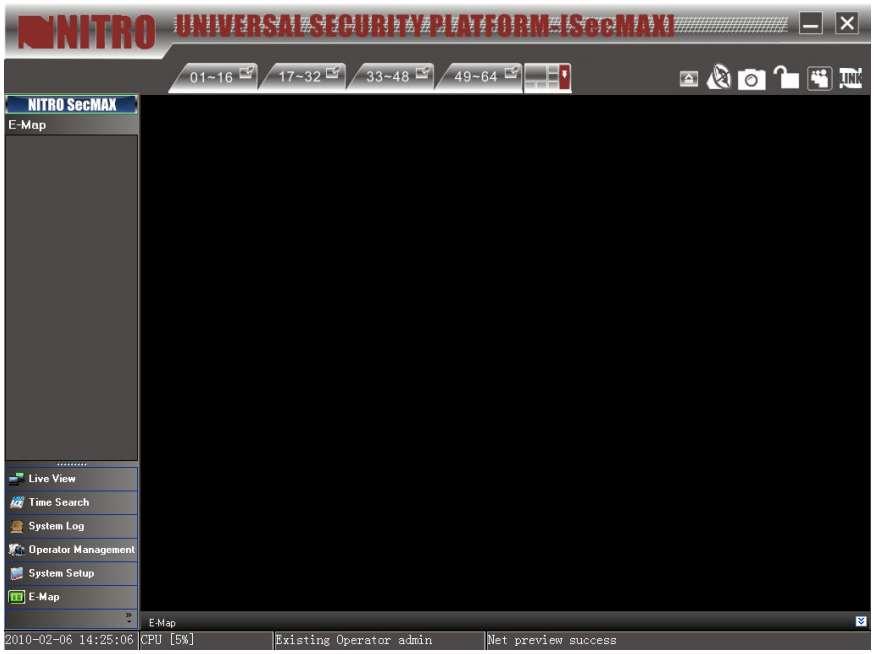


Figure8.6

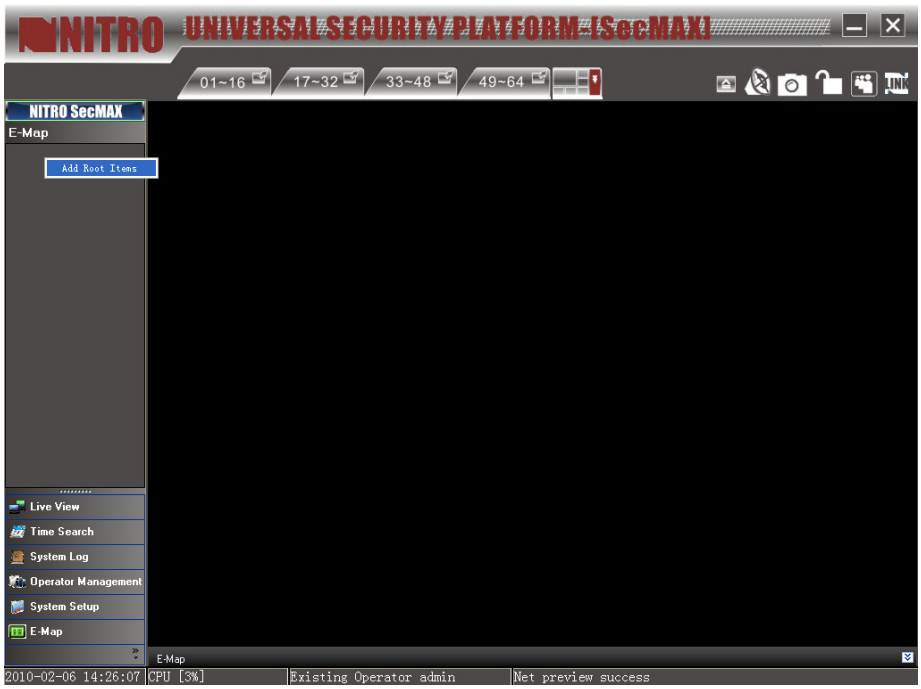
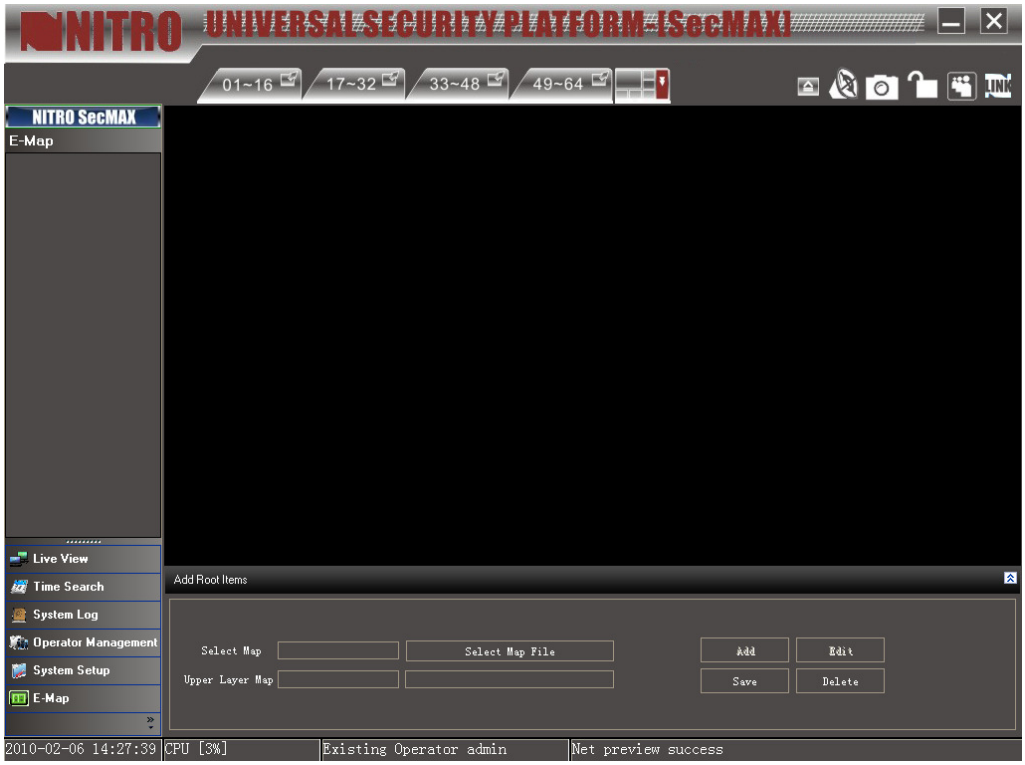


Figure8.7

In the operation menu, select "Add Map File" to configure file map, shown in Figure 8.8.



Fiure8.8

After select the map, and click “save” to add the main map. And it can add the region for the sub-map accordingly, shown in Figure 8.9.

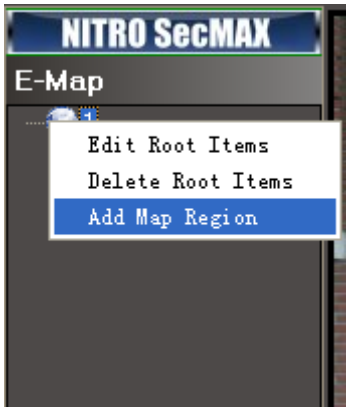


Figure8.9

(Remark: The size of Map is limited to 5M.)***

8.2.2 Add Camera into Map

After having the map, operator can add camera channel into the map, the video image of camera channel can be shown by clicking the camera icons.

(Remark: Root map cannot add camera)***

Click map and then right-click to add camera. Input the camera name and select the camera channel number, click “Save” to complete the process.

Figure8.10

8.3 Function Keys

: Hidden key – for hiding the top operation interface, so that the software cannot be powered off. Click the key and login into the system again for resume normal status.

: Audio Key – for switching on or off the audio channel.

: Screen Capture key – for capturing the screen of the selected camera channel

: System Lock Key – for locking the software user interface, and it is needed to login again for operation.

: System Login key – for logout the system user, and then change another one.

: USP Link key – for system integration panel switching function.